

=> d history

(FILE 'HOME' ENTERED AT 11:45:48 ON 09 MAY 2006)

FILE 'CAPLUS, BIOSIS' ENTERED AT 11:46:06 ON 09 MAY 2006

L1 / 1 "L1201 LEUKEMIA"  
L2 13977 "L1210"  
L3 11065 RAS (S) MUTATION  
L4 0 L2 AND L3  
L5 22 RAS AND L2

FILE 'STNGUIDE' ENTERED AT 11:57:03 ON 09 MAY 2006

L6 0 "L1201"  
L7 0 "L1210"

FILE 'CAPLUS' ENTERED AT 12:02:46 ON 09 MAY 2006

L8 7539 "L1210"  
L9 6439 RAS (S) EXPRESSION  
L10 7 L9 AND L8

FILE 'STNGUIDE' ENTERED AT 12:04:59 ON 09 MAY 2006

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=> ."EL-4"
      23161 "EL"
      856 "ELS"
      23992 "EL"
      ("EL" OR "ELS")
5320079 "4"
L11      919 "EL-4"
      ("EL"(W)"4")
```

```
=> ras (s) expression
      31236 RAS
      3 RASES
      31238 RAS
      (RAS OR RASES)
850786 EXPRESSION
78090 EXPRESSIONS
910053 EXPRESSION
      (EXPRESSION OR EXPRESSIONS)
L12      6439 RAS (S) EXPRESSION
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=> L11 and L12
L13      2 L11 AND L12
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=> D L13 IBIB ABS 1-2
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L13 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2006:2703 CAPLUS
DOCUMENT NUMBER: 144:246717
TITLE: Effects of mitomycin (MMC) on expressions of P21
protein in EL-4 mouse lymphoma
cells
AUTHOR(S): Yan, Fengqin; Wang, Jianqiu; Fu, Shibo; Ju, Guizhi
CORPORATE SOURCE: School of Public Health, Jilin University, Changchun,
Jilin Province, 130021, Peop. Rep. China
SOURCE: Jilin Daxue Xuebao, Yixueban (2005), 31(3), 340-342
CODEN: JDXYA3; ISSN: 1671-587X
PUBLISHER: Jilin Daxue Xuebao, Yixueban Bianjibu
DOCUMENT TYPE: Journal
LANGUAGE: Chinese
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AB Flow cytometry and immunofluorescence staining were used to measure P21
protein expressions in changes with time and doses. In time-course
expts., it was demonstrated that P21 protein levels were markedly
increased at 2 - 48 h after treatment with 2 mg·L-1 MMC in
EL-4 cells compared with control group. In dose-effect
expts., it was showed that P21 protein expressions were increased
significantly 24 h after treatment with 1, 2 and 4 mg·L-1 MMC in
EL-4 compared with control group. The P21 protein
expression could be increased by MMC in time-and dose-dependent manners.
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L13 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:932964 CAPLUS
DOCUMENT NUMBER: 139:78719
TITLE: Screening of interleukin-2 production inhibitor with
mouse thymoma EL4 cells
AUTHOR(S): Ahn, Soon Cheol; Kim, Bo Yeon; Oh, Won Keun; Kang, Dae
Ook; Heo, Gun Young; Kim, Min Soo; Lee, Myung Sun;
Ahn, Jong Seog
CORPORATE SOURCE: Korea Research Institute of Bioscience and
Biotechnology, Taejon, 305-600, S. Korea
SOURCE: Journal of Antibiotics (2002), 55(11), 1013-1015
CODEN: JANTAJ; ISSN: 0021-8820
PUBLISHER: Japan Antibiotics Research Association
DOCUMENT TYPE: Journal
LANGUAGE: English
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AB The toxic effect of interleukin-2 (IL-2) production was minimized by
shortening the duration of sample treatment in mouse thymoma EL-4, a cytokine producing T cell line, and also by maximizing the
amount of test sample applied to the target cells through introduction of a
washing step to increase the feasibility of finding real inhibitors, such
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as cyclosporin A (CsA) and FK506. Few minutes of test sample treatment was as efficient as longer treatment in finding inhibitors of IL-2 production from many screening sources. IL-2 gene **expression** was induced via Ca<sup>2+</sup>-calmodulin-dependent serine/threonine phosphatase, calcineurin, or **ras**-mediated pathways. CsA or FK506 blocked IL-2 production through the inhibition of calcineurin activity. Since EL4 cells are known to express other cytokine genes in addition to IL-2, the new method could be very useful for the selection of inhibitors of these cytokines.

REFERENCE COUNT:           13       THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 1996:513588 BIOSIS  
DOCUMENT NUMBER: PREV199699235944  
TITLE: Growth inhibition of K-**ras**-expressing tumours by  
a new vinca alkaloid, conophylline, in nude mice.  
AUTHOR(S): Umezawa, K. [Reprint author]; Taniguchi, T.; Toi, M.; Ohse,  
T.; Tsutsumi, N.; Yamamoto, T.; Koyano, T.; Ishizuka, M.  
CORPORATE SOURCE: Dep. Applied Chem., Fac. Sci. and Technol., Keio Univ.,  
3-14-1 Hiyoshi, Kohoku-ku, Yokohama 223, Japan  
SOURCE: Drugs under Experimental and Clinical Research, (1996) Vol.  
22, No. 2, pp. 35-40.  
CODEN: DECRDP. ISSN: 0378-6501.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
ENTRY DATE: Entered STN: 14 Nov 1996  
Last Updated on STN: 14 Nov 1996

AB Conophylline, a new vinca alkaloid isolated from the plant *Ervatamia*  
*microphylla* induced normal flat morphology in K-**ras**-NRK and K-  
**ras**-N/H cell lines, and lowered the increased uptake of  
2-deoxyglucose in K-**ras**-NRK cells. Conophylline inhibited the  
growth of K-**ras**-NPK cells, but this inhibition was reversible.  
The alkaloid also inhibited the growth of K-**ras**-NRK and K-  
**ras**-NIH3T3 tumours transplanted into nude mice. On the other  
hand, it showed no effect on survival of the mice loaded with  
**L1210** leukaemia. Thus, conophylline is a new antitumour vinca  
alkaloid that induced normal phenotypes in **ras**-expressing cells.